IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below. This listing of claims replaces all previous versions and listings of claims in the present application.

1. (Currently Amended) A signal measuring device comprising:

a local signal generating means that generates a local signal;

a mixing means that mixes a signal to be measured with the local signal;

a frequency sweeping means that performs a sweep of ~~sweeps~~ the frequency of the local signal; and

a sweep control means that terminates the sweep upon a termination of a presence ~~section~~ of the signal to be measured based on a component extracted from an output of the mixing means, the component being within a predetermined frequency band.

2. (Currently Amended) The signal measuring device according to claim 1,

wherein the ~~said~~ sweep control means receives a trigger signal ~~whose state~~ which changes state upon the termination of the presence ~~section~~ of the signal to be measured.

3. (Currently Amended) The signal measuring device according to claim 2, further comprising:

an intermediate frequency filter that extracts the ~~a~~ component within a predetermined frequency band from the ~~said~~ mixing means,

wherein the trigger signal is generated based upon ~~an~~ output from the ~~said~~ intermediate frequency filter.

4. (Currently Amended) The signal measuring device according to claim 2,

wherein the ~~said~~ sweep control means comprises:

a delay means that delays the trigger signal, and

a logical product output means that ~~takes and~~ outputs a logical product of an output from the ~~said~~ delay means and the trigger signal, and

wherein terminating the sweep is based on the logical product ~~whether the sweep is terminated or not is determined according to the said logical product output means~~.

5. (Previously Presented) The signal measuring device according to claim 1,

wherein the signal to be measured is a carrier wave within a burst wave.

6. (Currently Amended) The signal measuring device according to claim 5,

wherein a duration of the burst wave ~~widths of sections~~ including the carrier wave is variable ~~waves differ from each other~~.

7. (Currently Amended) The signal measuring device according to claim 3,

wherein the ~~said~~ sweep control means comprises:

a delay means that delays the trigger signal, and

a logical product output means that ~~takes and~~ outputs a logical product of an output from the ~~said~~ delay means and the trigger signal, and

wherein terminating the sweep is based on the logical product ~~whether the sweep is terminated or not is determined according to the said logical product output means~~.

8. (Previously Presented) The signal measuring device according to claim 2, wherein the signal to be measured is a carrier wave within a burst wave.

9. (Previously Presented) The signal measuring device according to claim 3, wherein the signal to be measured is a carrier wave within a burst wave.

10. (Previously Presented) The signal measuring device according to claim 4, wherein the signal to be measured is a carrier wave within a burst wave.

11. (Previously Presented) The signal measuring device according to claim 7, wherein the signal to be measured is a carrier wave within a burst wave.

12. (Currently Amended) The signal measuring device according to claim 8, wherein a duration of the burst wave ~~widths of sections~~ including the carrier wave is variable ~~waves differ from each other~~.

13. (Currently Amended) The signal measuring device according to claim 9, wherein a duration of the burst wave ~~widths of sections~~ including the carrier wave is variable ~~waves differ from each other~~.

14. (Currently Amended) The signal measuring device according to claim 10,

wherein a duration of the burst wave ~~widths of sections~~ including the carrier wave is variable ~~waves differ from each other~~.

15. (Currently Amended) A signal measuring device comprising:

a local signal generator that generates a local signal;

a mixer that mixes a signal to be measured with the local signal;

a frequency sweep section that performs a sweep of ~~sweeps~~ the frequency of the local signal; and

a sweep controller that terminates the sweep upon a termination of a presence ~~section~~ of the signal to be measured based on a component extracted from an output of the mixer, the component being within a predetermined frequency band.

16. (Currently Amended) The signal measuring device according to claim 15,

wherein the sweep controller receives a trigger signal which ~~whose state~~ changes state upon the termination of the presence ~~section~~ of the signal to be measured.

17. (Currently Amended) The signal measuring device according to claim 16, further comprising:

an intermediate frequency filter that extracts the ~~a~~ component within a predetermined frequency band from the mixer,

wherein the trigger signal is generated based upon an output from the ~~said~~ intermediate frequency filter.

18. (Currently Amended) The signal measuring device according to claim 16,

wherein the ~~said~~ sweep controller comprises

a delay unit that delays the trigger signal, and

a logical product output unit that ~~takes and~~ outputs a logical product of an output from the ~~said~~ delay unit and the trigger signal, and

~~whether~~ wherein the sweep is terminated ~~is determined according to said~~ is based on the logical product output ~~unit~~.

19. (Previously Presented) The signal measuring device according to claim 15,

wherein the signal to be measured is a carrier wave within a burst wave.

20. (Currently Amended) The signal measuring device according to claim 19,

wherein a duration of the burst wave ~~widths of sections~~ including the carrier wave is variable ~~waves differ from each other~~.